

NASA TECH BRIEF



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Training Manuals for Nondestructive Testing Using Magnetic Particles

Two training manuals or handbooks have been prepared for use in teaching metal parts inspectors and quality assurance specialists the fundamentals of nondestructive testing using magnetic particles as detection media. The use of magnetic particles provides a relatively simple method of nondestructive testing which has been used for many years. This test method has been applied to finished components, billets, hot rolled bars, and forgings. Magnetic particle testing involves magnetization of the test specimen, application of the magnetic particles, and interpretation of the patterns formed by the particles.

The manuals are dated January 1, 1967, and are titled as follows:

- (1) *Nondestructive Testing Magnetic Particle*, RQA/M1-5330.11 (410 pages)
- (2) *Magnetic Particle Testing*, RQA/M1-5330.16 (149 pages)

The manuals are designed primarily for home study and the classroom. They can be used by students in technical schools and by test personnel and quality assurance specialists in any industry where nondestructive testing of metal parts is essential.

Copies of the manuals may be obtained from:

Technology Utilization Officer
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B68-10391

Patent status:

No patent action is contemplated by NASA.

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